Application No.: 09/630,024

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in

the application:

(Canceled) 1. - 43.

44. (Currently Amended) A method implemented in a subscriber unit,

wherein a multicast group comprises a plurality of subscriber units, the method

comprising:

receiving a multicast group indication message, from a base station, via a

first one of a plurality of wireless channels, the multicast group indication message

identifying a connection identifier associated with a multicast message, wherein the

connection identifier is associated with an indication of a second one of the plurality

of wireless channels over which to receive the multicast message from the base

station;

receiving the multicast message via the second one of the plurality of wireless

channels;

transmitting a negative acknowledgment; and

receiving a retransmission of the multicast message in response to the

transmitted negative acknowledgement.

- 2 -

Application No.: 09/630,024

45. (Canceled)

46. The method of claim 44 further comprising: (Previously Presented)

receiving the multicast message concurrently with other subscriber units in

the multicast group.

47. (Previously Presented) The method of claim 44 wherein the second

one of the plurality of wireless channels is a dedicated channel.

48. (Previously Presented) The method of claim 44 wherein only a

subscriber unit associated with the multicast group decodes the multicast message

received over the second wireless channel.

49. (Currently Amended) Α method transmitting multicast of

messages, wherein a multicast group comprises a plurality of subscriber units, the

method comprising:

transmitting a multicast group indication message, from a base station, via a

first one of a plurality of wireless channels, the multicast group indication message

Application No.: 09/630,024

identifying a connection identifier associated with a multicast message, wherein the

connection identifier is associated with an indication of a second one of the plurality

of wireless channels over which a corresponding multicast message will be

transmitted from the base station; and

transmitting the multicast message, from the base station, to the multicast

group via the second one of the plurality of wireless channels;

receiving a negative acknowledgment from a subscriber unit associated with

the multicast group; and

retransmitting the multicast message.

50. (Canceled)

51. (Previously Presented) The method of claim 49 further comprising:

performing a lookup in a routing table adapted to store entries associating a

multicast group with the connection identifier; and

performing a lookup in a table adapted to associate the connection identifier

with the at least one subscriber unit.

52. (Previously Presented) The method of claim 49 further comprising:

- 4 -

Application No.: 09/630,024

receiving a join group request from a subscriber unit; and

adding an entry in the table indicative of an association between the

multicast group and the subscriber unit.

53. (Previously Presented) The method of claim 49 further comprising:

scanning the multicast message; and

parsing a group address in response to a determination that the multicast

message is directed to the multicast group.

54. (Previously Presented) The method of claim 53 wherein the group

address conforms to a protocol and the multicast message is parsed in accordance

with the protocol.

55. (Previously Presented) The method of claim 54 wherein the protocol

is the Internet Group Management Protocol (IGMP).

56. (Previously Presented) The method of claim 49 wherein the first one

of the plurality of wireless channels is a dedicated channel.

Application No.: 09/630,024

57. (Currently Amended) The method of claim 49, wherein the further

comprising:

receiving a negative acknowledgment from a subscriber unit associated with

the multicast group; and

retransmitting the multicast message includes retransmitting the multicast

message via a third one of the plurality of channels.

58. (Canceled)

59. (Currently Amended) A subscriber unit comprising:

a receiver configured to:

receive a multicast group indication message, from a base station,

message via a first one of a plurality of wireless channels, the multicast group

indication message identifying a connection identifier associated with a multicast

message, therein the connection identifier is associated with an indication of a

second one of the plurality of wireless channels over which to receive a

corresponding multicast message; and

receive the multicast message, from the base station, via the second

one of the plurality of wireless channels; and

- 6 -

Application No.: 09/630,024

a transmitter configured to transmit a negative acknowledgement; and
wherein the receiver is further configured to receive a retransmission of the
multicast message in response to the transmitted negative acknowledgement.

60.-61. (Canceled)

62. (Previously Presented) The subscriber unit of claim 59 wherein the second one of the plurality of wireless channels is a dedicated channel.

63. (Canceled)

64. (Currently Amended) A base station for multicasting messages, the base station comprising:

a processor configured to receive a multicast message addressed to a multicast group having two or more subscriber units;

a transmitter configured to:

transmit a multicast group indication message to a multicast group via a first one of a plurality of wireless channels, the multicast group indication message identifying a connection identifier associated with a multicast message,

Application No.: 09/630,024

wherein the connection identifier is associated with an indication of a second one of

the plurality of wireless channels over which a corresponding multicast message

will be transmitted; and

transmit the multicast message, to the multicast group, via the second

one of the plurality of wireless channels; and

a receiver configured to receive a negative acknowledgment from a subscriber

unit associated with the multicast group;

wherein the transmitter is further configured to retransmit the multicast

message in response to the negative acknowledgement.

(Canceled) 65.

66. (Previously Presented) The base station of claim 64 wherein:

the processor is further configured to perform a lookup in a routing table

adapted to store entries associating a multicast group with the connection

identifier; and to perform a lookup in a table adapted to associate the connection

identifier with the at least subscriber units.

- 8 -

Application No.: 09/630,024

67. (Previously Presented) The base station of claim 66, further

comprising:

a receiver configured to receive a join group request from a subscriber unit;

wherein the processor is further configured to add an entry in the table

indicative of an association between the multicast group and the subscriber unit.

68. The base station of claim 64 wherein the (Previously Presented)

processor is further configured to scan the multicast message; and to parse a group

address in response to a determination that the multicast message is directed to the

multicast group.

The base station of claim 68 wherein the 69. (Previously Presented)

group address conforms to a protocol and the multicast message is parsed by the

processor in accordance with the protocol.

70. (Previously Presented) The base station of claim 69 wherein the

protocol is the Internet Group Management Protocol (IGMP).

- 9 -

Application No.: 09/630,024

The base station of claim 70 wherein the first 71. (Previously Presented)

one of the plurality of wireless channels is a dedicated channel.

72. (Currently Amended) The base station of claim 64, further

comprising:

a receiver configured to receive a negative acknowledgment from a subscriber

unit associated with the multicast group;

wherein the transmitter is further configured to retransmit the multicast

message via the second one of the plurality of wireless channels in response to the

negative acknowledgement.

73. (Currently Amended) The method of claim 44, further

comprising

transmitting a negative acknowledgment; and

wherein receiving a the retransmission of the multicast message is received

via the second one of a plurality of wireless channels in response to the transmitted

negative acknowledgement.

- 10 -

Application No.: 09/630,024

The subscriber unit of claim 59, further 74. (Currently Amended)

comprising

a transmitter configured to transmit a negative acknowledgement; and

wherein the receiver is further configured to receive [[a]] the retransmission of the

multicast message via the second one of [[a]] the plurality of wireless channels in

response to the transmitted negative acknowledgement.

75. (New) The method of claim 44, wherein the retransmission of the

multicast message is received via a third one of a plurality of wireless channels

76. (New) The method of claim 49, wherein the retransmitting the

multicast message includes retransmitting the multicast message via the second

one of the plurality of channels.

77. (New) The subscriber unit of claim 59, wherein the receiver is

configured to receive the retransmission of the multicast message via a third one of

the plurality of wireless channels in response to the transmitted negative

acknowledgement.

- 11 -

Application No.: 09/630,024

78. (New) The base station of claim 64, wherein the transmitter is configured to retransmit the multicast message via a third one of the plurality of wireless channels in response to the negative acknowledgement.